

2 prevent beforehand a possible flying out of radio active materials from a nuclear reactor building to the outside thereof. In a boiling water type nuclear power generation plant, adjacent a nuclear reactor well in which the RPV is disposed a used fuel pool is arranged, in which an already used fuel is stored. Further, at the time of exchange work of the RPV all of the fuels loaded in the reactor are displaced into the used fuel pool before carrying out the RPV. By means of taking out all of the fuels in the reactor, a surface dosage rate of the RPV can be reduced and a radiation exposure quantity for workers can be reduced. Thereby, an RPV exchange work can be performed with a high level of safety.

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Page 8, line 21 to Page 9, line 10, substitute the following paragraph:

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32 In a nuclear reactor building 3, a primary containment vessel (PCV) 8 which contains an RPV 1 is provided. Above the PCV 8, a nuclear reactor well 5 is provided which is used for filling shield water for shielding radioactive rays from a fuel 11 such as when exchanging the fuel (a fuel assembly) 11 and when taking out an internal reactor structural body (structural bodies in the RPV 1). Further, when exchanging the RPV 1, the RPV 1 is carried out / in from the nuclear reactor well 5. A machine and apparatus pool 7 which is for storing a taken out internal structural body 2 is provided adjacent the nuclear reactor well 5. A used fuel pool 6 for storing a used fuel 11 is provided adjacent the nuclear reactor well 5 and below an operation floor 4. In the used fuel pool 6 a fuel rack 11a for storing the used fuel 11 is provided.

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